

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (previously presented) A camera system which comprises: a lens apparatus which is provided with a image-taking optical system including a focusing lens; and a camera on which the lens apparatus is mounted, comprising:

a first focus detection unit and a second focus detection unit which detect a focusing state of the image-taking optical system by methods different from each other; and

a controller which controls driving of the focusing lens, the controller obtaining a target driving amount of the focusing lens based on a result of the detection by the first focus detection unit, and performing a first driving control to drive the focusing lens toward a position corresponding to the target driving amount and a second driving control to drive the focusing lens based on a result of the detection by the second focus detection unit,

wherein the controller switches from the first driving control to the second driving control without stopping the focusing lens when a remaining driving amount to the target driving amount of the focusing lens by the first driving control becomes a predetermined amount.

2. (original) The camera system according to Claim 1, wherein the controller performs the second driving control at a second driving speed lower than a first driving speed of the focusing lens in the first driving control.
3. (original) The camera system according to Claim 1,
wherein the controller performs the second driving control when the target driving amount of the focusing lens calculated based on the result of the detection by the first focus detection unit is equal to or less than the predetermined amount.
4. (original) The camera system according to Claim 1,
wherein the first focus detection unit detects the focusing state of the image-taking optical system by a phase difference detection method or an active method, and the second focus detection unit detects the focusing state of the image-taking optical system by a contrast detection method.
5. (cancelled).
6. (previously presented) A camera comprising:
a first focus detection unit and a second focus detection unit which detect a focusing state of a image-taking optical system including a focusing lens, by methods different from each other; and
a controller which controls driving of the focusing lens, the controller obtaining a target driving amount of the focusing lens based on a result of the detection by the first

focus detection unit, and performing a first driving control to drive the focusing lens toward a position corresponding to the target driving amount and a second driving control to drive the focusing lens based on a result of the detection by the second focus detection unit;

wherein the controller switches from the first driving control to the second driving control without stopping the focusing lens when a remaining driving amount to the target driving amount of the focusing lens by the first driving control becomes a predetermined amount.

7. (original) The camera according to Claim 6,

wherein the controller performs the second driving control at a second driving speed lower than a first driving speed of the focusing lens in the first driving control.

8. (original) The camera according to Claim 6,

wherein the controller performs the second driving control when the target driving amount of the focusing lens calculated based on the result of the detection by the first focus detection unit is equal to or less than the predetermined amount.

9. (original) The camera according to Claim 6,

wherein the first focus detection unit detects the focusing state of the image-taking optical system by a phase difference detection method or an active method, and the second focus detection unit detects the focusing state of the image-taking optical system by a contrast detection method.

10. (cancelled).
11. (original) The camera according to Claim 6, wherein the image-taking optical system is integrally provided.
12. (original) The camera according to Claim 6, wherein a lens apparatus which includes the image-taking optical system can be attachable.
13. (previously presented) A lens apparatus which can be attachable to a camera comprising a first focus detection unit and a second focus detection unit which detect a focusing state of a image-taking optical system by methods different from each other, comprising:
 - the image-taking optical system which includes a focusing lens; and
 - a controller which controls driving of the focusing lens based on information obtained from the camera, the controller performing a first driving control to drive the focusing lens toward a position corresponding to a target driving amount of the focusing lens obtained in the camera based on a result of the detection by the first focus detection unit and a second driving control to drive the focusing lens based on a result of the detection by the second focus detection unit;wherein the controller switches from the first driving control to the second driving control without stopping the focusing lens when a remaining driving amount to the target driving amount of the focusing lens by the first driving control becomes a predetermined amount.

14. (original) The lens apparatus according to Claim 13,
wherein the controller performs the second driving control at a second driving speed lower than a first driving speed of the focusing lens in the first driving control.
15. (original) The lens apparatus according to Claim 13,
wherein the controller performs the second driving control when the target driving amount of the focusing lens calculated based on the result of the detection by the first focus detection unit is equal to or less than the predetermined amount.
16. (original) The lens apparatus according to Claim 13,
wherein the lens apparatus is attachable to a camera which comprises the first focus detection unit which detects the focusing state of the image-taking optical system by a phase difference detection method or an active method and the second focus detection unit which detects the focusing state of the image-taking optical system by a contrast detection method.
17. (cancelled).
18. (previously presented) A camera system which comprises: a lens apparatus which is provided with an image-taking optical system including a focusing lens; and a camera on which the lens apparatus is mounted, comprising:

a first focus detection unit and a second focus detection unit which detect a focusing state of the image-taking optical system by methods different from each other; and

a controller which controls driving of the first focusing lens, the controller performing a first driving control to drive the focusing lens based on a result of the detection by the first focus detection unit and a second driving control to drive the focusing lens based on a result of the detection by the second focus detection unit,

wherein the controller switches from the first driving control to the second driving control without stopping the focusing lens after driving the focusing lens by a predetermined amount through the first driving control.

19. (previously presented) A camera on which a lens apparatus including an image-taking optical system is mounted, said camera comprising:

a first focus detection unit and a second focus detection unit which detect a focusing state of the image-taking optical system by methods different from each other; and

a controller which controls driving of a focusing lens in the image-taking optical system, the controller performing a first driving control to drive the focusing lens based on a result of the first focus detection unit and a second driving control to drive the focusing lens based on a result of the detection by the second focus detection unit;

wherein the controller switches from the first driving control to the second driving control without stopping the focusing lens after driving the focusing lens by a predetermined amount through the first driving control.

20. (previously presented) A lens apparatus which can be attachable to a camera comprising a first focus detection unit and a second focus detection unit which detect a focusing state of an image-taking optical system by methods different from each other, comprising:
- the image-taking optical system which includes a focusing lens; and
 - a controller which performs a first driving control to drive the focusing lens based on a result of the detection by the first focus detection unit and a second driving control to drive the focusing lens based on a result of the detection by the second focus detection unit,
- wherein the controller switches from the first driving control to the second driving control without stopping the focusing lens after driving the focusing lens by a predetermined amount through the first driving control.
21. (new) A camera system which comprises: a lens apparatus which is provided with an image-taking optical system including a focusing lens; and a camera on which the lens apparatus is mounted, comprising:
- a first focus detection unit and a second focus detection unit which detect a focusing state of the image-taking optical system by methods different from each other; and
 - a controller which controls driving of the focusing lens, the controller obtaining a target driving amount of the focusing lens based on a result of the detection by the first focus detection unit, and performing a first driving control to drive the focusing lens toward a position corresponding to the target driving amount and a second driving

control to drive the focusing lens based on a result of the detection by the second focus detection unit,

wherein the controller switches from the first driving control to the second driving control without stopping the focusing lens.

22. (new) A camera system which comprises: a lens apparatus which is provided with a image-taking optical system including a focusing lens; and a camera on which the lens apparatus is mounted, comprising:

a first focus detection unit and a second focus detection unit which detect a focusing state of the image-taking optical system by methods different from each other; and

a controller which controls driving of the focusing lens, the controller obtaining a target driving amount of the focusing lens based on a result of the detection by the first focus detection unit, and performing a first driving control to drive the focusing lens toward a position corresponding to the target driving amount and a second driving control to drive the focusing lens based on a result of the detection by the second focus detection unit,

wherein the controller switches from the first driving control to the second driving control when a remaining driving amount within the target driving amount of the focusing lens by the first driving control becomes a predetermined amount.

23. (new) A camera comprising:

a first focus detection unit and a second focus detection unit which detect a

focusing state of a image-taking optical system including a focusing lens, by methods different from each other; and

a controller which controls driving of the focusing lens, the controller obtaining a target driving amount of the focusing lens based on a result of the detection by the first focus detection unit, and performing a first driving control to drive the focusing lens toward a position corresponding to the target driving amount and a second driving control to drive the focusing lens based on a result of the detection by the second focus detection unit;

wherein the controller switches from the first driving control to the second driving control without stopping the focusing lens.

24. (new) A camera comprising:

a first focus detection unit and a second focus detection unit which detect a focusing state of a image-taking optical system including a focusing lens, by methods different from each other; and

a controller which controls driving of the focusing lens, the controller obtaining a target driving amount of the focusing lens based on a result of the detection by the first focus detection unit, and performing a first driving control to drive the focusing lens toward a position corresponding to the target driving amount and a second driving control to drive the focusing lens based on a result of the detection by the second focus detection unit;

wherein the controller switches from the first driving control to the second driving control when a remaining driving amount within the target driving amount of the

focusing lens by the first driving control becomes a predetermined amount.

25. (new) A lens apparatus which can be attachable to a camera comprising a first focus detection unit and a second focus detection unit which detect a focusing state of a image-taking optical system by methods different from each other, comprising:

the image-taking optical system which includes a focusing lens; and

a controller which controls driving of the focusing lens based on information obtained from the camera, the controller performing a first driving control to drive the focusing lens toward a position corresponding to a target driving amount of the focusing lens obtained in the camera based on a result of the detection by the first focus detection unit and a second driving control to drive the focusing lens based on a result of the detection by the second focus detection unit;

wherein the controller switches from the first driving control to the second driving control without stopping the focusing lens.

26. (new) A lens apparatus which can be attachable to a camera comprising a first focus detection unit and a second focus detection unit which detect a focusing state of a image-taking optical system by methods different from each other, comprising:

the image-taking optical system which includes a focusing lens; and

a controller which controls driving of the focusing lens based on information obtained from the camera, the controller performing a first driving control to drive the focusing lens toward a position corresponding to a target driving amount of the focusing lens obtained in the camera based on a result of the detection by the first focus detection

unit and a second driving control to drive the focusing lens based on a result of the detection by the second focus detection unit;

wherein the controller switches from the first driving control to the second driving control when a remaining driving amount within the target driving amount of the focusing lens by the first driving control becomes a predetermined amount.